| II | ndex | of CI | aims |  |
|----|------|-------|------|--|
|    |      |       |      |  |

| Application/Control No. | Applicant(s)/Patent under Reexamination |  |
|-------------------------|---|--|
| 10/770,245              | YANG ET AL.                             |  |
| Examiner                | Art Unit                                |  |
| David S. Blum           | 2813                                    |  |

| /  | Rejected | _ | (Through numeral)<br>Cancelled |
|----|----------|---|--------------------------------|
| [] | Allowed  | ÷ | Restricted                     |

| <br>N | Non-Elected  | A | Appeal   |
|-------|--------------|---|----------|
| ı     | Interference | 0 | Objected |

| Cla      | aim :    | Date   |          |                 |          |               |              | Cla                                 | Claim Date      |          |          |               |   |               |         | 1            | Cla           | aim                 | Date   |          |                        |            |          |                 |           |          |          |                 |          |          |          |
|----------|----------|--|----------|-----------------|----------|---------------|--------------|-------------------------------------|-----------------|----------|----------|---------------|---|---------------|---------|--------------|---------------|---------------------|--------|----------|------------------------|------------|----------|-----------------|-----------|----------|----------|-----------------|----------|----------|----------|
|          |          |  |          |                 |          |               | <u> </u>     | Π                                   |                 | $\neg$   |          | $\overline{}$ |   | $\neg \Gamma$ |         | Т            |               |                     |        | 1        |                        |            |          |                 |           |          |          |                 |          | $\neg$   | ᅱ        |
| <u>a</u> | Original | 5/25/05  | 1/9/05   |                 |          |               |              |                                     |                 |          | <u>a</u> | Original      |   |               |         |              | •             |                     |        |          | <u>a</u>               | Original   |          |                 |           |          |          |                 |          |          |          |
| Final    | rig      | 125  | 1/9/     |                 |          |               |              |                                     |                 |          | Final    | ij            |   |               |         |              |               |                     |        |          | Final                  | jū         |          |                 |           |          |          |                 |          |          |          |
| 1        | 0        | ຕ  | ľ        |                 |          |               |              |                                     |                 |          | 1        | 0             |   | 1             |         |              |               |                     |        |          |                        | 0          |          |                 |           |          |          |                 | - 1      |          |          |
| 1        | 1        | <b>√</b>   | Ξ        |                 |          |               |              |                                     | $\Box$          |          |          | 51            |   |               |         | $\top$       |               |                     |        | 1        |                        | 101        |          | П               |           | $\neg$   |          | П               | $\neg$   | 寸        | $\neg$   |
| 2        | 2        |  | =        |                 |          |               |              |                                     |                 |          |          | 52            | П                                       | T             |         |              |               | 1                   |        | 1        |                        | 102        |          |                 |           |          |          |                 |          | ヿ        | ╗        |
| 3        | 3        |  | =        |                 |          |               |              | Г                                   | П               |          |          | 53            | П                                       | $\neg$        |         |              |               |                     |        | 1        |                        | 103        |          |                 |           |          |          |                 |          | $\neg$   | ╗        |
| 4        | 4        |  | =        |                 |          |               |              |                                     |                 |          |          | 54            |   | T             | T       |              |               |                     |        | 1        |                        | 104        |          |                 | T         |          |          | П               | $\neg$   | $\neg$   | コ        |
| 5        | 5        |  | =        |                 |          |               |              |                                     |                 |          |          | 55            | .                                       |               |         |              |               |                     |        | ]        |                        | 105        |          |                 |           |          |          |                 |          |          |          |
| 6        | 6        |  | =        |                 |          |               |              |                                     |                 |          |          | 56            |   |               |         |              |               |                     |        | ]        |                        | 106        |          |                 |           |          |          |                 |          |          |          |
| 7        | 7        |  | =        |                 |          |               |              |                                     |                 |          |          | 57            |   |               | $\perp$ |              |               |                     |        | ]        |                        | 107        |          |                 |           |          |          |                 |          |          |          |
| 8        | 8        |  | =        |                 |          |               |              |                                     |                 |          |          | 58            |   |               |         | 1_           |               |                     |        | ]        |                        | 108        |          |                 |           |          |          |                 |          |          |          |
| 9        | 9        | $ldsymbol{ld}}}}}}$ | =        |                 |          |               |              | <u> </u>                            | Ш               |          |          | 59            | $\sqcup$                                |               | $\perp$ |              | $\perp$       |                     |        | ]        |                        | 109        |          |                 |           |          |          |                 |          |          |          |
| 10       | 10       | <u> </u>   | =        |                 |          |               | _            | L                                   | L               | _        |          | 60            | Ш                                       |               | $\perp$ |              |               |                     |        | 1        |                        | 110        |          |                 |           |          |          | Ш               | _        | _        | _        |
| 11       | 11       | _  | =        | $\square$       |          | <u> </u>      |              | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | Ш               | _        |          | 61            | $\sqcup$                                |               | _       | $\perp$      | Ш             | $\sqcup$            | _      |          |                        | 111        |          | Щ               |           |          |          | Ш               | $\dashv$ | _        | $\dashv$ |
| 12       | 12       | _  | =        |                 |          | _             | <u> </u>     | $oxed{oxed}$                        | Ш               | $\dashv$ | <u> </u> | 62            | Щ                                       | $\bot$        | $\bot$  | $\perp$      | $\sqcup$      | $\sqcup$            |        | 1        | <u> </u>               | 112        |          | Щ               |           | _        |          | Щ               | _        | _        | _        |
| 1        | 13       | $\vdash$   | -        | Щ               |          | $\vdash$      | <u> </u>     |                                     | $\sqcup$        | $\dashv$ |          | 63            | $\sqcup$                                | $\dashv$      | - -     | 4            | <del>  </del> | $\vdash \downarrow$ | -      | ł        |                        | 113        |          | Щ               | $\Box$    | _        |          |                 |          | $\dashv$ | 4        |
| 13       | 14       | _  | =        | $\vdash \vdash$ | Ш        | $\vdash$      | $\vdash$     | $\vdash$                            | $\vdash \vdash$ | $\dashv$ | $\vdash$ | 64<br>CF      | $\sqcup$                                | +             | +       | +            | $\vdash$      | $\vdash$            | -      | 1        |                        | 114        |          | $\sqcup$        |           | _        |          | Н               | _        | $\dashv$ | $\dashv$ |
| 14       | 15       | $\vdash$   | =        |                 |          |               |              | <u> </u>                            | $\vdash \vdash$ | $\dashv$ | -        | 65            | $\vdash$                                | +             | +       | +            | -             | $\vdash$            |        | {        | <u> </u>               | 115        | _        | $\vdash \vdash$ | $\square$ | $\dashv$ |          | $\vdash \vdash$ |          | 4        |          |
| 15<br>16 | 16<br>17 | $\vdash$   | =        | $\vdash$        | _        | _             | <del> </del> | $\vdash$                            | $\vdash \vdash$ | $\dashv$ | <u> </u> | 66<br>67      | $\vdash \vdash$                         |               | -       | _            |               | $\vdash$            | +      | 1        |                        | 116<br>117 | _        | $\vdash$        |           | $\dashv$ |          |                 | $\dashv$ | $\dashv$ | $\dashv$ |
| 17       | 18       |  |          | -               | -        | $\vdash$      | _            | ⊢                                   | $\vdash$        | _        |          |               | $\vdash \vdash$                         | $\dashv$      | +       | +-           | ├-            |                     |        | ┨        |                        |            | _        | $\dashv$        | $\dashv$  |          |          |                 | -        | $\dashv$ | -1       |
| 18       |          | -,   | =        | $\vdash$        | _        | _             | ├            | <u> </u>                            | $\vdash$        | -        | -        | 68<br>69      | $\vdash$                                | -+            | +       | -            | ┾             |                     |        | ┨        |                        | 118        | _        | $\dashv$        |           | -        |          |                 | -        | $\dashv$ | $\dashv$ |
| 10       | 19<br>20 | ✓  |          |                 |          | _             | -            | -                                   | $\vdash$        | -        | +        | 70            | $\vdash$                                | +             | +       | +            | -             | -                   |        | {        |                        | 119<br>120 |          | $\vdash$        | -         | $\dashv$ |          |                 | -        | -        | $\dashv$ |
| 19       | 21       | -  | =        | $\vdash$        |          |               | -            | ┢                                   | $\vdash$        |          | -        | 71            | $\vdash$                                | +             | +       | ╌            | -             | -                   |        | ┨        | -                      | 121        | _        |                 | -         |          |          |                 | -        | $\dashv$ | -        |
| 13       | 22       | $\vdash$   | ⊢        | Н               | -        | -             | ├            | ⊢                                   | $\vdash$        | -        | -        | 72            | $\vdash$                                | -+            | +       | +            | H             | $\vdash$            | +      | ┨        |                        | 122        |          | $\vdash$        | $\dashv$  | $\dashv$ |          | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$ |
| _        | 23       | -  | -        |                 |          |               | ⊢            |                                     | H               | $\dashv$ | $\vdash$ | 73            | $\vdash$                                | $\dashv$      | +       | +            | -             | ┰                   |        | ł        |                        | 123        |          | -               | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$        | -        | $\dashv$ | $\dashv$ |
| <b>—</b> | 24       |  | -        |                 |          |               | $\vdash$     |                                     | H               | $\dashv$ | $\vdash$ | 74            | $\vdash$                                | $\dashv$      | +       | +            |               | -                   |        | ┨        | -                      | 124        | -        |                 | $\dashv$  |          | -        | -               | $\dashv$ | ┥        | $\dashv$ |
|          | 25       | -  | -        |                 |          | $\vdash$      | ┢            | $\vdash$                            | Н               | $\dashv$ | -        | 75            | $\vdash$                                | +             | +       | ╁            | -             | -                   | +      | 1        | -                      | 125        |          | $\dashv$        |           | $\dashv$ | -        | -               | -        | $\dashv$ | $\dashv$ |
| -        | 26       |  |          | $\vdash$        |          |               | $\vdash$     | $\vdash$                            | $\vdash$        | $\dashv$ | -        | 76            | -                                       | +             | +       | +            | Н             |                     | +      | ┨        | $\vdash$               | 126        | -        | $\dashv$        | $\dashv$  | $\dashv$ |          |                 | ┪        | $\dashv$ | ᅥ        |
|          | 27       | -  | H        | Н               |          |               | Ė            | $\vdash$                            | H               | -        | $\vdash$ | 77            |   | 十             | ╅       | ╁            | H             |                     |        | ł        | Н                      | 127        |          |                 | $\vdash$  |          |          |                 | -        | -        | ᅱ        |
|          | 28       | -  |          |                 |          |               | $\vdash$     |                                     | Н               | $\dashv$ |          | 78            | $\vdash$                                | $\dashv$      | ╅       | +-           |               |                     | +      | i        | H                      | 128        |          | _               |           | ┪        |          |                 |          | $\dashv$ | -        |
|          | 29       |  |          |                 |          |               | _            |                                     | $\vdash$        | $\dashv$ | h        | 79            | $\vdash$                                | $\top$        | $\top$  | +            |               |                     |        | 1        |                        | 129        |          | -               | _         |          |          |                 | $\dashv$ | $\dashv$ | $\neg$   |
|          | 30       |  |          |                 |          |               | $\vdash$     | _                                   | П               |          |          | 80            | П                                       | 十             | 十       | $\top$       | П             | $\vdash$            | 1      |          |                        | 130        |          |                 | _         |          |          |                 | _        | 7        | $\dashv$ |
| <u> </u> | 31       |  |          |                 |          |               |              | Г                                   |                 |          |          | 81            |   | $\top$        | $\top$  | $\top$       | П             |                     |        | 1        | П                      | 131        |          |                 |           |          |          |                 |          | 寸        | $\dashv$ |
|          | 32       |  |          |                 |          |               |              |                                     | П               |          |          | 82            |   |               | _       |              |               |                     |        | 1        |                        | 132        |          |                 |           |          |          |                 | $\neg$   | 寸        | $\neg$   |
|          | 33       |  |          |                 |          |               | Г            |                                     | П               |          |          | 83            | П                                       | $\neg$        |         |              | П             |                     |        |          |                        | 133        |          |                 |           |          |          |                 |          |          |          |
|          | 34       |  |          |                 |          |               |              |                                     |                 |          |          | 84            |   | $\perp$       | ፗ       | $oxed{oxed}$ |               |                     |        | ]        |                        | 134        |          |                 |           |          |          |                 |          | _]       |          |
|          | 35       |  |          |                 |          |               |              |                                     |                 |          |          | 85            |   |               | $\prod$ | $oxed{\Box}$ |               |                     |        | ]        |                        | 135        |          |                 |           |          |          |                 |          |          |          |
|          | 36       |  |          |                 |          |               |              |                                     |                 |          |          | 86            |   |               |         |              |               |                     |        | ]        |                        | 136        |          |                 |           |          |          |                 |          |          |          |
|          | 37       |  |          |                 |          |               |              |                                     | Ш               |          |          | 87            |   |               | $\perp$ |              |               |                     |        |          |                        | 137        |          |                 |           |          |          |                 |          |          |          |
|          | 38       | Ш  | Ш        |                 |          | _             | _            | <u></u>                             | Ш               | $\Box$   |          | 88            | Ц                                       | $\perp$       |         | $\perp$      | Ш             |                     |        | ]        | <u> </u>               | 138        |          | Ш               | Ш         |          |          |                 |          | _[       | $\Box$   |
|          | 39       | Ш  | Ш        |                 |          |               | L_           | _                                   | Ш               | _        |          | 89            | Ш                                       | $\perp$       | $\perp$ | $\perp$      | Ш             | $\sqcup$            |        | ]        | $\sqcup \sqcup$        | 139        |          |                 |           |          |          | Ш               | [        | _        |          |
|          | 40       | Щ  | Ш        |                 |          | $\sqsubseteq$ | <u> </u>     | <u> </u>                            | $\sqcup$        | $\perp$  |          | 90            | $\sqcup$                                | $\perp$       | 4       | 1            | Ш             | $\sqcup \bot$       | $\bot$ |          | $oxed{oxed}$           | 140        | _        |                 |           |          |          | $\sqcup$        | _        | _        | _        |
| <u> </u> | 41       |  | Ш        |                 |          | Щ             | <u> </u>     | <u> </u>                            | $\sqcup$        | $\dashv$ | <u> </u> | 91            | $\sqcup \downarrow$                     | _             | _       | 4            | Ш             | $\sqcup$            |        |          | $\sqcup \sqcup$        | 141        | _        | Ц               | _         |          |          | $\square$       |          | $\dashv$ | $\dashv$ |
| <u> </u> | 42       | _  | Щ        |                 | _        | Щ             | $\vdash$     | ⊢                                   | Н               | _        |          | 92            | <del>   </del>                          | _             | 4       | +            | Н             | $\vdash$            |        |          | oxdot                  | 142        | _        | _               | $\dashv$  | _        | _        | $\sqcup$        | _        | _        | _        |
|          | 43       | <u> </u>   | _        | _               |          |               | <u> </u>     | <u> </u>                            | $\vdash \vdash$ | $\dashv$ | $\vdash$ | 93            | $\vdash \vdash$                         | $\dashv$      | +       | +-           | $\vdash$      |                     | +      | -        | $\vdash \vdash \vdash$ | 143        | _        |                 | _         | _        | _        |                 | $\dashv$ | -        | _        |
| <u> </u> | 44       |  | $\vdash$ |                 |          | -             | ├—           | <del> </del> —                      | $\vdash$        | $\dashv$ |          | 94            | $\vdash \vdash$                         | +             | +       | +            | $\vdash$      | $\vdash$            |        | <b> </b> | $\vdash \vdash \vdash$ | 144        | $\dashv$ | $\dashv$        | _         | -        | _        |                 | -        | $\dashv$ |          |
| <u> </u> | 45       | <u> </u>   | _        |                 | _        | -             | ├-           | <u> </u>                            | Н               | $\dashv$ | $\vdash$ | 95            | $\vdash \vdash$                         | $\dashv$      | -       | +-           | $\vdash$      | $\vdash \vdash$     |        |          | $\vdash\vdash\vdash$   | 145        |          |                 | -         | -        | -        | _               | -        | $\dashv$ | 4        |
| <u> </u> | 46<br>47 | -  | -        | _               | $\dashv$ | Н             | $\vdash$     | ⊢                                   | $\vdash$        | $\dashv$ |          | 96<br>97      | $\vdash \vdash$                         | +             |         | +-           | $\vdash$      | $\vdash \vdash$     |        |          | $\vdash \vdash \vdash$ | 146<br>147 |          |                 |           | -        | $\dashv$ |                 | $\dashv$ | +        | $\dashv$ |
| <u> </u> | 48       | -  | $\vdash$ |                 | $\dashv$ | Н             | $\vdash$     | $\vdash$                            | $\vdash$        | $\dashv$ | $\vdash$ |               | $\vdash \vdash$                         | +             |         | +-           | $\vdash$      | $\dashv$            | +      | {        | $\vdash\vdash\vdash$   | 147        | $\dashv$ | $\dashv$        | $\dashv$  | -        | $\dashv$ | $\dashv$        | $\dashv$ | +        | $\dashv$ |
|          | 48       | <b>—</b>   |          |                 |          | $\vdash$      | -            | -                                   | $\vdash$        | $\dashv$ |          | 98<br>99      | $\vdash \vdash$                         | +             | +       | +            | $\vdash$      | $\vdash +$          | +      | 1        | $\vdash\vdash$         | 148        | -        | $\dashv$        | $\dashv$  | $\dashv$ | $\dashv$ | $\vdash$        | +        | -+       | {        |
| $\vdash$ | 50       | <u> </u>   | $\vdash$ |                 | -        | Н             | <del> </del> | <del> </del>                        | $\vdash$        | $\dashv$ | $\vdash$ | 100           | $\dashv$                                | +             | +       | +            | $\vdash$      | $\vdash +$          | +      |          | $\vdash$               | 150        | -        | $\dashv$        | $\dashv$  | $\dashv$ | -        |                 | -        | -        | $\dashv$ |
| L        | οU       | Ц.   | لـــا    |                 |          | ليبا          | L_           |                                     | Ш               |          |          | IUU           | ىلـــــــــــــــــــــــــــــــــــــ | L             | ᆚ       |              | ш             | ᆜ                   |        | اا       | ш                      | 130        |          |                 |           |          |          | $\perp 1$       |          | L        |          |